

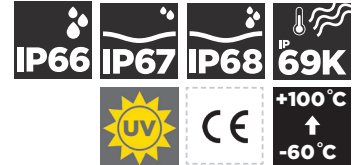
TRUSEAL TSP POLYMER, INDUSTRIAL CABLE GLAND

FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED CABLES

- Halogen and phosphorus-free
- Unique strain relief sealing system
- Third party certified to IEC/EN 62444
- Flame retardant UL94 V-0 version available
- Low weight with high stiffness and strength
- Widest cable range take for any comparable cable gland
- Available in a variety of colours (black as standard, see table below)
- Anti-vibration technology prevents seal loosening in operation
- Transit disc or IP68, IP69 and IP69K rated IP plug options available
- Approved entry thread sealing washer included
- Polyamide locknut available (ordering suffix 2TN) - delivered assembled

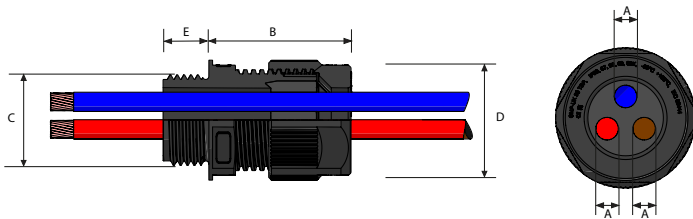


shown in black with a MultiSeal



COLOUR	SUFFIX	METRIC ORDERING EXAMPLE	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	16MS2TSP1TA	16MS2TSP1TAT
GREY - RAL7035	1	16MS2TSP1TA1	16MS2TSP1TA1T
GREY - RAL7001	2	16MS2TSP1TA2	16MS2TSP1TA2T
WHITE	3	16MS2TSP1TA3	16MS2TSP1TA3T
BLUE - RAL5015	4	16MS2TSP1TA4	16MS2TSP1TA4T
RED - RAL3000	5	16MS2TSP1TA5	16MS2TSP1TA5T

TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
IEC 62444 CERTIFICATE	CML 20CA12915
MECHANICAL CLASSIFICATION*	16 Impact = Level 5, 20-63 Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	16 IK07 to IEC 62262 (4 joules) 20-63 IK08 to IEC 62262 (7 joules)
INGRESS PROTECTION RATING**	IP66, IP67, IP68***, IP69 and IP69K
CABLE GLAND MATERIAL	Halogen-free Polyamide
SEAL MATERIAL	CMP SOLO LSF Halogen-free Thermoset Elastomer
CABLE TYPE	Unarmoured and Braided (when braid is terminated inside enclosure)
SEALING TECHNIQUE	CMP unique strain relief sealing system
SEALING AREA(S)	Cable Outer Sheath



* Mechanical classifications applied as per IEC/EN 62444

** Contact CMP for further information on ingress protection ratings

*** IP68 tested to 300 kPa for 16 hours (equivalent to 30 metres water depth)

PRODUCT SELECTION TABLE WITH MULTISEAL RANGE

MULTISEAL		AVAILABLE ENTRY THREADS 'C'					NO. OF HOLES	OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'	WEIGHT GLAND ONLY † (KG)
		STANDARD		OPTION (See part number guidance table below)				MIN	MAX				
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'							
16MS1TSP1TA	16MS1TSP2TN	M16	9.0	15.0	3/8"	11.0	2	2.0	4.0	19.0	20.9	27.0	0.009
16MS2TSP1TA	16MS2TSP2TN	M16	9.0	15.0	3/8"	11.0	3	1.0	2.0	19.0	20.9	27.0	0.010
20MS1TSP1TA	20MS1TSP2TN	M20	10.0	15.0	1/2"	14.0	2	3.0	5.0	24.0	26.2	30.5	0.014
20MS2TSP1TA	20MS2TSP2TN	M20	10.0	15.0	1/2"	14.0	3	2.0	4.0	24.0	26.2	30.5	0.015
20MS3TSP1TA	20MS3TSP2TN	M20	10.0	15.0	1/2"	14.0	4	2.0	4.0	24.0	26.2	30.5	0.014
20MS4TSP1TA	20MS4TSP2TN	M20	10.0	15.0	1/2"	14.0	6	2.5	3.5	24.0	26.2	30.5	0.015
25MS1TSP1TA	25MS1TSP2TN	M25	10.0	15.0	3/4"	15.0	2	3.0	6.0	30.0	32.7	36.0	0.028
25MS2TSP1TA	25MS2TSP2TN	M25	10.0	15.0	3/4"	15.0	2	5.0	7.0	30.0	32.7	36.0	0.027
25MS3TSP1TA	25MS3TSP2TN	M25	10.0	15.0	3/4"	15.0	2	5.0	8.0	30.0	32.7	36.0	0.027
25MS4TSP1TA	25MS4TSP2TN	M25	10.0	15.0	3/4"	15.0	3	3.0	6.0	30.0	32.7	36.0	0.027
25MS5TSP1TA	25MS5TSP2TN	M25	10.0	15.0	3/4"	15.0	3	5.0	7.0	30.0	32.7	36.0	0.026
25MS6TSP1TA	25MS6TSP2TN	M25	10.0	15.0	3/4"	15.0	4	3.0	5.0	30.0	32.7	36.0	0.027
25MS7TSP1TA	25MS7TSP2TN	M25	10.0	15.0	3/4"	15.0	4	4.0	6.0	30.0	32.7	36.0	0.027
25MS8TSP1TA	25MS8TSP2TN	M25	10.0	15.0	3/4"	15.0	5	2.0	4.0	30.0	32.7	36.0	0.027
25MS9TSP1TA	25MS9TSP2TN	M25	10.0	15.0	3/4"	15.0	5	3.0	5.0	30.0	32.7	36.0	0.026
25MS10TSP1TA	25MS10TSP2TN	M25	10.0	15.0	3/4"	15.0	4	5.0	6.5	30.0	32.7	36.0	0.026
32MS1TSP1TA	32MS1TSP2TN	M32	12.0	15.0	1"	18.0	3	6.0	10.2	40.0	43.6	41.0	0.053
32MS2TSP1TA	32MS2TSP2TN	M32	12.0	15.0	1"	18.0	2	7.0	10.2	40.0	43.6	41.0	0.053
							1	4.0	6.8				
32MS3TSP1TA	32MS3TSP2TN	M32	12.0	15.0	1"	18.0	2	9.0	11.7	40.0	43.6	41.0	0.053
							1	5.0	7.6				
32MS4TSP1TA	32MS4TSP2TN	M32	12.0	15.0	1"	18.0	4	5.0	8.0	40.0	43.6	41.0	0.053
32MS5TSP1TA	32MS5TSP2TN	M32	12.0	15.0	1"	18.0	6	4.0	6.0	40.0	43.6	41.0	0.054
32MS6TSP1TA	32MS6TSP2TN	M32	12.0	15.0	1"	18.0	8	2.0	4.0	40.0	43.6	41.0	0.055
32MS7TSP1TA	32MS7TSP2TN	M32	12.0	15.0	1"	18.0	8	3.0	5.0	40.0	43.6	41.0	0.053
40MS1TSP1TA	40MS1TSP2TN	M40	12.0	18.0	1-1/4"	18.0	1	7.0	10.2	50.0	54.5	49.0	0.096
							2	8.0	11.7				
40MS2TSP1TA	40MS2TSP2TN	M40	12.0	18.0	1-1/4"	18.0	4	7.0	10.0	50.0	54.5	49.0	0.094

Part numbers in table are for standard metric entry threads. Please see page 2 for alternative part number builder & seal table.

† Weight displayed for standard metric entry thread only.

For MOQ please contact CMP directly.

Dimensions displayed in mm unless otherwise specified.

HOW TO ORDER

Size	Seal Type	Gland Type	Accessory Reference	Material	Colour	Thread Option
12	MS	TSP	ITA	NYLON	BLACK RAL9011	METRIC SHORT
16	See table below for seal reference		2TN		GREY (LIGHT) RAL7035	METRIC LONG
20			1TD		GREY (MID) RAL7001	NPT
25			2TDN		WHITE	
32			1TP		BLUE RAL5015	
40			2TPN		RED RAL3000	
50						
63						
20	MS2	TSP	2TN		1	L

EXAMPLE: 20MS2TSP2TN1L = SIZE 20, MULTISEAL 2 SEAL, TSP POLYMER INDUSTRIAL, W/LOCKNUT, NYLON MATERIAL, LIGHT GREY COLOUR, METRIC LONG THREAD OPTION

MULTISEAL COMBINATIONS & HOLE SIZE

SIZE	16				20				25				32				40			
	DIAGRAM	NO. OF HOLES	SEALING RANGE		DIAGRAM	NO. OF HOLES	SEALING RANGE		DIAGRAM	NO. OF HOLES	SEALING RANGE		DIAGRAM	NO. OF HOLES	SEALING RANGE		DIAGRAM	NO. OF HOLES	SEALING RANGE	
			MIN	MAX			MIN	MAX			MIN	MAX			MIN	MAX			MIN	MAX
MS1		2	I 2.0 H 3.0	4.0 4.0		2	I 3.0 H 3.0	5.0 5.0		2	I 3.0 H 4.0	6.0 6.0		3	I 6.0 H 8.0	10.2 10.2		3	I 1X7.0 H 1X8.0	1X10.2 1X11.7
MS2		3	I 1.0 H 1.0	2.0 2.0		3	I 2.0 H 3.0	4.0 4.0		2	I 5.0 H 5.0	7.0 7.0		3	I 1X4.0 H 1X5.0	1X6.8 1X6.8		4	I 7.0 H 8.0	10.0 10.0
MS3						4	I 2.0 H 3.0	4.0 4.0		2	I 5.0 H 6.0	8.0 8.0		3	I 1X5.0 H 1X6.0	1X7.6 1X7.6				
MS4						6	I 2.5 H 2.5	3.5 3.5		3	I 3.0 H 4.0	6.0 6.0		4	I 5.0 H 6.0	8.0 8.0				
MS5										3	I 5.0 H 5.0	7.0 7.0		6	I 4.0 H 4.0	6.0 6.0				
MS6										4	I 3.0 H 3.0	5.0 5.0		8	I 2.0 H 3.0	4.0 4.0				
MS7										4	I 4.0 H 4.0	6.0 6.0		8	I 3.0 H 4.0	5.0 5.0				
MS8										5	I 2.0 H 2.0	4.0 4.0								
MS9										5	I 3.0 H 3.0	5.0 5.0								
MS10										4	I 5.0 H 5.0	6.5 6.5								

I = Industrial H = Hazardous